

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B279</b>	<b>OXYTETRA GLUCOSE YEAST AGAR BASE (OGYE AGAR BASE)</b>					
<b>Formula</b>						
<b>Ingredients:</b>		<b>gms/lit.</b>				
Yeast extract		5.00				
Dextrose		20.00				
Agar		12.00				
<b>Final pH (at 25°C) :</b>		7.0 ± 0.2				
<b>Directions :</b>						
Suspend 18.5 grams in 500 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C and aseptically add reconstituted contents of one vial of Oxytetra Selective Supplement (BF086). Mix well and pour into sterile Petri plates.						
<b>Principles :</b>						
Yeast extract provides essential growth nutrients. Dextrose acts as carbon and energy source. Low pH helps to reduce the bacterial flora. Oxytetracycline makes the medium more selective by inhibiting the growth of Lactobacilli encountered in milk and milk-products at low pH.						
<b>QC Tests - (I) Dehydrated Medium</b>						
Colour :		Light to medium yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Light amber				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed with added 1 vial of Oxytetra Selective Supplement (BF086), after an incubation at 25-30°C after 2-5 days.						
MICROORGANISM (ATCC )		GROWTH				
Aspergillus niger (16404 )		Good-luxuriant				
Saccharomyces cerevisiae (9763 )		Good-luxuriant				
Saccharomyces uvarum (9080)		Good-luxuriant				
Candida albicans (10231)		Good-luxuriant				
Escherichia coli (25922)		Inhibited				
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>		For isolation and enumeration of yeasts and / or moulds from foods.				
<b>Storage :</b>		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing :</b>		500 gm. bottle				
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B279</b>		37.0 g/l	13.51 L	7.0 ± 0.2	Oxytetra Selective Supplement (BF086)	121°C/15 min.